# BRUHAT BENGALURU MAHANAGARA PALIKE

## YELAHANKA ZONE

**NAME OF WORK : CONSTRUCTION OF ANGANAWADI COMPOUND IN WARD NO.01 OF YELAHANKA SUB DIVISION**

| | | | | | | | | Estimate Cost Rs. | 5.00 | Lakhs |
|---|---|---|---|---|---|---|---|---|---|---|
| Sl. No. | Description of Item | Unit | No. | L | B | D | Qty. | Rate | Amount |
| 1 | KSRB 2-2.1 : **Earth work excavation** for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No.2.3) | | | | | | | | | |
| | | Cum | | | | | | | | |
| | | | 2 | 4.50 | 0.75 | 0.90 | 6.08 | | | |
| | | | 1 | 14.00 | 0.75 | 0.90 | 9.45 | | | |
| | | | | | | | **15.53** | 222.38 | **3452.41** |
| | Basic Rate | 189.00 | | | | | | | | |
| | AD-HOC 11% | 20.79 | | | | | | | | |
| | Sub-Total | 209.79 | | | | | | | | |
| | Area Weightage @ 6% | 12.59 | | | | | | | | |
| | **Total** | **222.38** | | | | | | | | |
| 2 | KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for **levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1 ) | | | | | | | | | |
| | | Cum | | | | | | | | |
| | | | 1 | 4.50 | 14.00 | 0.75 | 47.25 | | | |
| | | | | | | | **47.25** | 184.73 | **8728.31** |
| | Basic Rate | 157.00 | | | | | | | | |
| | AD-HOC 11% | 17.27 | | | | | | | | |
| | Sub-Total | 174.27 | | | | | | | | |
| | Area Weightage @ 6% | 10.46 | | | | | | | | |
| | **Total** | **184.73** | | | | | | | | |
| 3 | KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1) | | | | | | | | | |
| | | Cum | | | | | | | | |
| | | | Qty Vide Item No.1+2 | | | | **62.78** | 111.00 | **6968.03** | |
| | Average Weight of Earth 1.28 Tonne/Km | | | | | | | | | |
| | Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00) | 32.00 | | | | | | | | |

| No. | Description of Item | Unit | No. | L | B | D | Qty. | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Add loading and unloading Item No 17.1) | 68.00 | | | | | | | |
| | Sub-Total | 100.00 | | | | | | | |
| | AD-HOC 11% | 11.00 | | | | | | | |
| | **Total** | **111.00** | | | | | | | |
| 4 | KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3) | | | | | | | | |
| | | Cum | | | | | | | |
| | | | 2 | 4.50 | 0.75 | 0.10 | 0.68 | | |
| | | | 1 | 14.00 | 0.75 | 0.10 | 1.05 | | |
| | | | | | | | **1.73** | 5726.51 | **9878.23** |
| | Basic Rate | 4867.00 | | | | | | | |
| | AD-HOC 11% | 535.37 | | | | | | | |
| | Sub-Total | 5402.37 | | | | | | | |
| | Area Weightage @ 6% | 324.14 | | | | | | | |
| | **Total** | **5726.51** | | | | | | | |
| | KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6) | | | | | | | | |
| | | Cum | | | | | | | |
| | | | 2 | 4.50 | 0.75 | 0.60 | 4.05 | | |
| | | | 1 | 14.00 | 0.75 | 0.60 | 6.30 | | |
| | | | | | | | **10.35** | 4926.42 | **50988.49** |
| | Basic Rate | 4187.00 | | | | | | | |
| | AD-HOC 11% | 460.57 | | | | | | | |
| | Sub-Total | 4647.57 | | | | | | | |
| | Area Weightage @ 6% | 278.85 | | | | | | | |
| | **Total** | **4926.42** | | | | | | | |
| 5 | KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.13) | | | | | | | | |
| | | Cum | | | | | | | |
| | | | 2 | 4.50 | 0.45 | 0.45 | 1.82 | | |
| | | | 1 | 14.00 | 0.45 | 0.45 | 2.84 | | |

| | Description of Item | Unit | No. | L | B | D | Qty. | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | **4.66** | 6558.37 | **30545.60** |
| | Basic Rate | 5574.00 | | | | | | | |
| | AD-HOC 11% | 613.14 | | | | | | | |
| | Sub-Total | 6187.14 | | | | | | | |
| | Area Weightage @ 6% | 371.23 | | | | | | | |
| | **Total** | **6558.37** | | | | | | | |
| | KSRRB M300-53: Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification No. 305, P No. 148/ Item No. 19.60 | | | | | | | | |
| | | Cum | | | | | | | |
| | | | 1 | 14.00 | 4.50 | 0.30 | 18.90 | | |
| | | | | | | | **18.90** | 355.33 | **6716.00** |
| | Basic Rate | 302.00 | | | | | | | |
| | AD-HOC 11% | 33.22 | | | | | | | |
| | Sub-Total | 335.22 | | | | | | | |
| | Area Weightage @ 6% | 20.11 | | | | | | | |
| | **Total** | **355.33** | | | | | | | |
| | KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 20mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2.(P No. 13 / Item No.4.7) | | | | | | | | |
| | Coping | Sqm | | | | | | | |
| | | | 2 | 4.50 | 0.45 | 0.10 | 0.41 | | |
| | | | 1 | 14.00 | 0.45 | 0.10 | 0.63 | | |
| | | | | | | | **1.04** | 6214.80 | **6432.00** |
| | Basic Rate | 5282.00 | | | | | | | |
| | AD-HOC 11% | 581.02 | | | | | | | |
| | Sub-Total | 5863.02 | | | | | | | |
| | Area Weightage @ 6% | 351.78 | | | | | | | |
| | **Total** | **6214.80** | | | | | | | |
| | Providing and fixing M.S. Grill Over existing compound wall as per using 16mm x 16mm M.S square rod at 150mm c/c spacing and 6mmx40mm M.S flats at horizontal and 6mmx12mm M.S flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding, wherever necessary.all the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc.,complete.the work includes cost all materials, labour charges for all items of work, hire charges for welding cutting and grinding equipment, and electricity charges, etc., (Page No. 42/ Item No. 7.36) | | | | | | | | |
| | | sqm | | | | | | | |
| | | | 2 | 4.50 | | 1.75 | 15.75 | | |

| Description of Item | Unit | No. | L | B | D | Qty. | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| | | 1 | 14.00 | | 1.75 | 24.50 | | |
| | | | | | | **40.25** | 5798.64 | **233395.26** |
| Basic Rate | 5224.00 | | | | | | | |
| AD-HOC 11% | 574.64 | | | | | | | |
| Sub-Total | 5798.64 | | | | | | | |
| Area Weightage @ 6% | 347.92 | | | | | | | |
| **Total** | **6146.56** | | | | | | | |
| **Total** | **5798.64** | | | | | | | |
| roviding and fixing for flooring 20mm thick gang saw water cut sadarhalli grey ranite in CM 1:4 proportion, cut to required shape pattern with paper joints nished with cement mortar using white cement colour pigment to match colour f slab making through jointing with sealent, grooves in joints including cost of ll materials mortar and labour etc.,complete as per specifications lo- minimum width of 1200mm (Page No.109 / Item No.14.61.1) | | | | | | | | |
| | Sqm | | | | | | | |
| p | | 1 | 23.00 | 0.45 | | 10.35 | | |
| des | | 1 | 23.00 | | 0.45 | 10.35 | | |
| | | | | | | **20.70** | 2336.73 | **48370.00** |
| Basic Rate | 1986.00 | | | | | | | |
| AD-HOC 11% | 218.46 | | | | | | | |
| Sub-Total | 2204.46 | | | | | | | |
| Area Weightage @ 6% | 132.27 | | | | | | | |
| **Total** | **2336.73** | | | | | | | |
| RB 14.6-2 : Providing and laying **heavy duty cobble stones 60 mm** thick erlock pavers, using cement and course sand for manufacture of blocks of proved size, shape and colour with a minimum compressive strength of 281 per sqm over 50mm thick sand bed ( average thickness ) and compacting h plate vibrator having 3 tons compaction force thereby forcing part of sand derneath to come up in between joints, final compaction of paver surface ts into its final level, including cost of materials, labour and HOM of chineries complete as per specifications. (P No. 101 / Item No. 14.6) | | | | | | | | |
| | Sqm | | | | | | | |
| | | 1 | 4.50 | 14.00 | | 63.00 | | |
| | | | | | | **63.00** | 1073.06 | **67602.73** |
| Basic Rate | 912.00 | | | | | | | |
| AD-HOC 11% | 100.32 | | | | | | | |
| Sub-Total | 1012.32 | | | | | | | |
| Area Weightage @ 6% | 60.74 | | | | | | | |
| **Total** | **1073.06** | | | | | | | |

| Sl. No. | Description of Item | Unit | No. | L | B | D | Qty. | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 2 | Fabricating, Providing and erecting in position of Hot dip galvanised M.S ornamental Security grill gate using 75x12 mm MS flat for Alround frame work woth verticle at the centre support MS Square of 20x20 mm of diffrence heights as shown in the drawing are to be fixed at 16cms C/C for Square bars of full height and 8cms C/C for bottom rods provide ornamental CI designers at the bottom and CI arrowsa in the middle and top. the entire frame work is to be fixed by means of expansion bolts to the brick pillars with necessary drilling holes. the work includes providing two coats of Enamel Painting ove one coat of red lead ready mix primer coat etc complete cost of all labour, painting, erection charges using hoist pulley cranes etc as per specification and drawings (Page No.41/ Item No.7.32) | | | | | | | | |
| | | KG | | | | | | | |
| | | | 1 | 1.50 | | 1.80 | 2.70 | | |
| | | | | | (30kg/Sqm) | | 81.00 | 170.61 | 13819.17 |
| | Basic Rate | 145.00 | | | | | | | |
| | AD-HOC 11% | 15.95 | | | | | | | |
| | Sub-Total | 160.95 | | | | | | Subject | |
| | Area Weightage @ 6% | 9.66 | | | | | | memo | |
| | **Total** | **170.61** | | | | | | Dt. 8.2.18 | |
| 3 | KSRB 15-18.3 : Providing and applying to enamel metal paint two coat (excluding priming coat) on over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (P.No.121 Item No.15.74) | | | | | | | | |
| | | sqm | | | | | | | |
| | | | 4 | 4.50 | | 1.75 | 31.50 | | |
| | | | 2 | 14.00 | | 1.75 | 49.00 | | |
| | | | 2 | 1.50 | | 1.80 | 5.40 | | |
| | Basic Rate | 85.00 | | | | | 85.90 | 100.01 | 8590.94 |
| | AD-HOC 11% | 9.35 | | | | | | | |
| | Sub-Total | 94.35 | | | | | | | |
| | Area Weightage @ 6% | 5.66 | | | | | | | |
| | **Total** | **100.01** | | | | | | | |
| | Miscellaneous and unforeseen charges | LS | | | | | | | 4513.00 |
| | | | | | | | **Grand Total Amount** | | 500000.00 |

**( Rupees Five Lakhs Only )**

Administrative Sanction for Rs. 5.00 Lakhs
Five Lakhs Only
as accord (30kg/Sqm) P.177 of 2017-18
Registered
to cond tic
No. EE/pp/141/17-18 Dt. 8.2.18
Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 5.00 Lacs
Rupees Five Lakhs Only
P.177 of 2017-18.
No
Dt. EE/TS/143/17-18
Dated 16.02.2018 Rs. 5.00 Lacs
Executive Engineer

**CERTIFICATE**

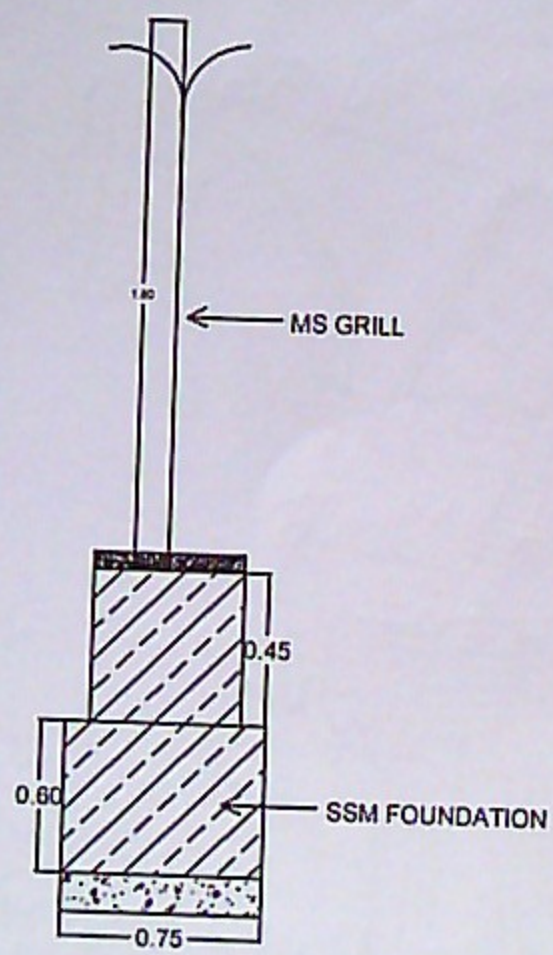
The site has been inspected and the work is found to be necessary.
The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
The provisions were made in this estimate are necessary and adequate.
The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
This work is not repeated in any other programs or Grants

**Assistant Engineer**
**Ward No.01**

**Executive Engineer**

**Assistant Executive Engineer**
**Yelahanka Sub-Division**
**B.B.M.P**

NAME OF WORK : CONSTRUCTION OF ANGANAWADI COMPOUND IN WARD NO.01 OF YELAHANKA SUB DIVISION

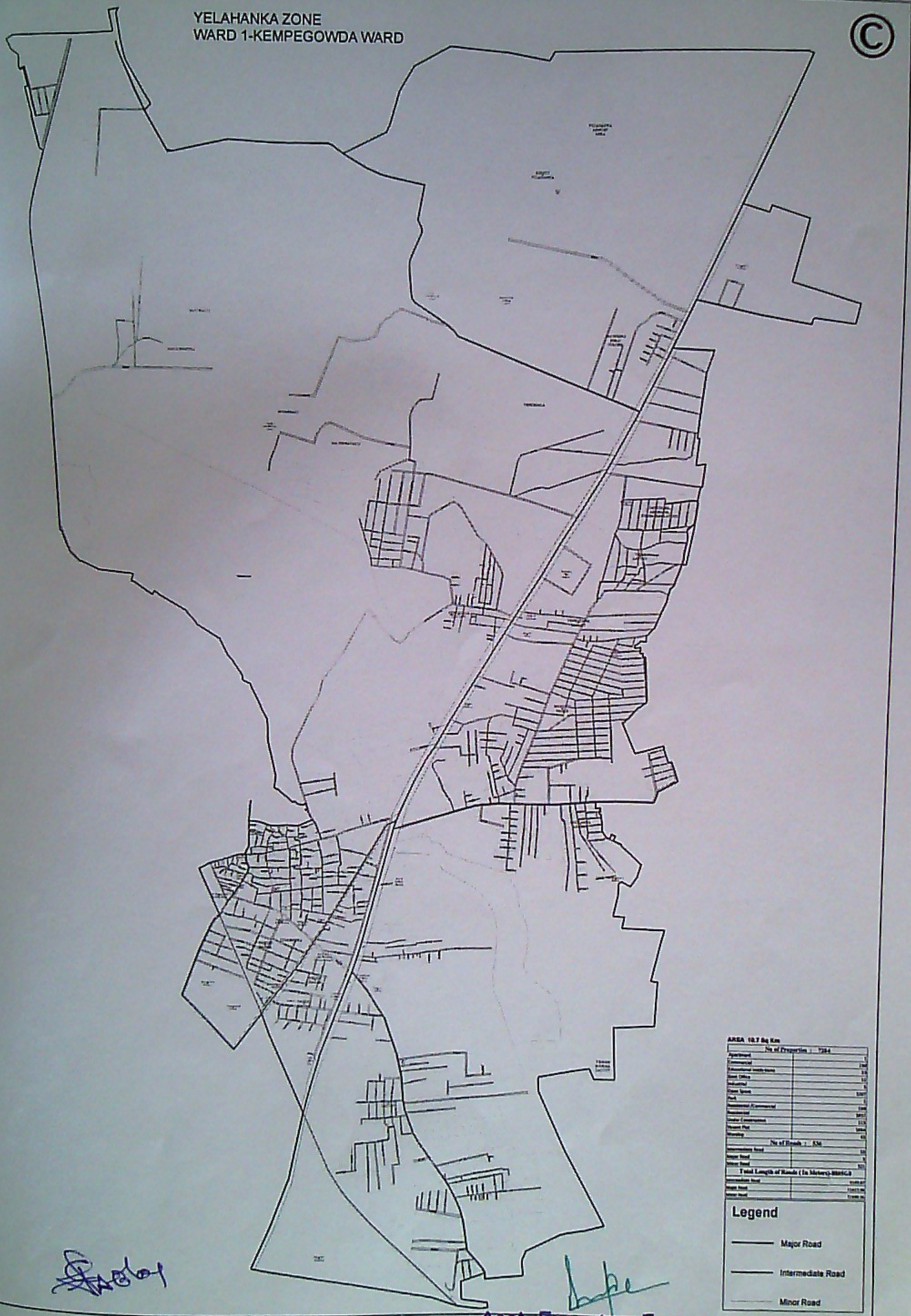



CROSS SECTION OF SSM WALL WITH MS GRILL

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

YELAHANKA ZONE
WARD 1-KEMPEGOWDA WARD

©



AREA 10.7 Sq Km

| No. of Properties : 7384 | |
|---|---|
| Apartment | 1 |
| Commercial | 2 |
| Educational Institutions | 3 |
| Govt. Office | 1 |
| Industrial | 1 |
| Open Space | 1 |
| Park | 1 |
| Residential Cum Commercial | 1 |
| Residential | 1 |
| Under Construction | 1 |
| Vacant Plot | 1 |
| Warehouse | 1 |
| No of Roads : 534 | |
| Intermediate Road | 1 |
| Major Road | 1 |
| Minor Road | 1 |
| Total Length of Roads ( In Meters)-88615.0 | |
| Intermediate Road | 1 |
| Major Road | 1 |
| Minor Road | 1 |

Legend

- Major Road
- Intermediate Road
- Minor Road

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore